



ADM LED module – Luna Classic Series

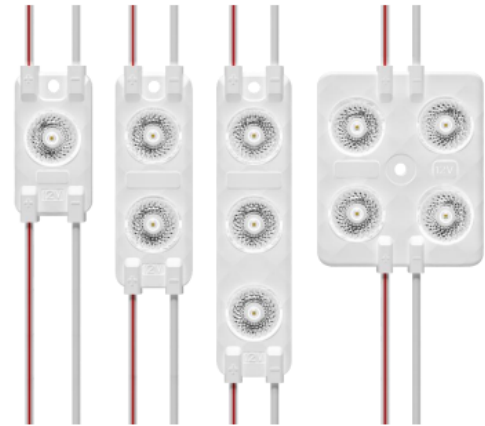
LM-LUNA-C

Feature

- Patent AGCT micro-lens design.
- Non-burning & safe dimming circuit design.
- High efficiency: 180 lumens per watt.
- IP66 rating for water and dust resistance.
- 5-year warranty for long-term reliability.
- Advanced optical, circuit, and mechanical design improvements.
- Multiple models: P, S, C, M for different applications

Applications

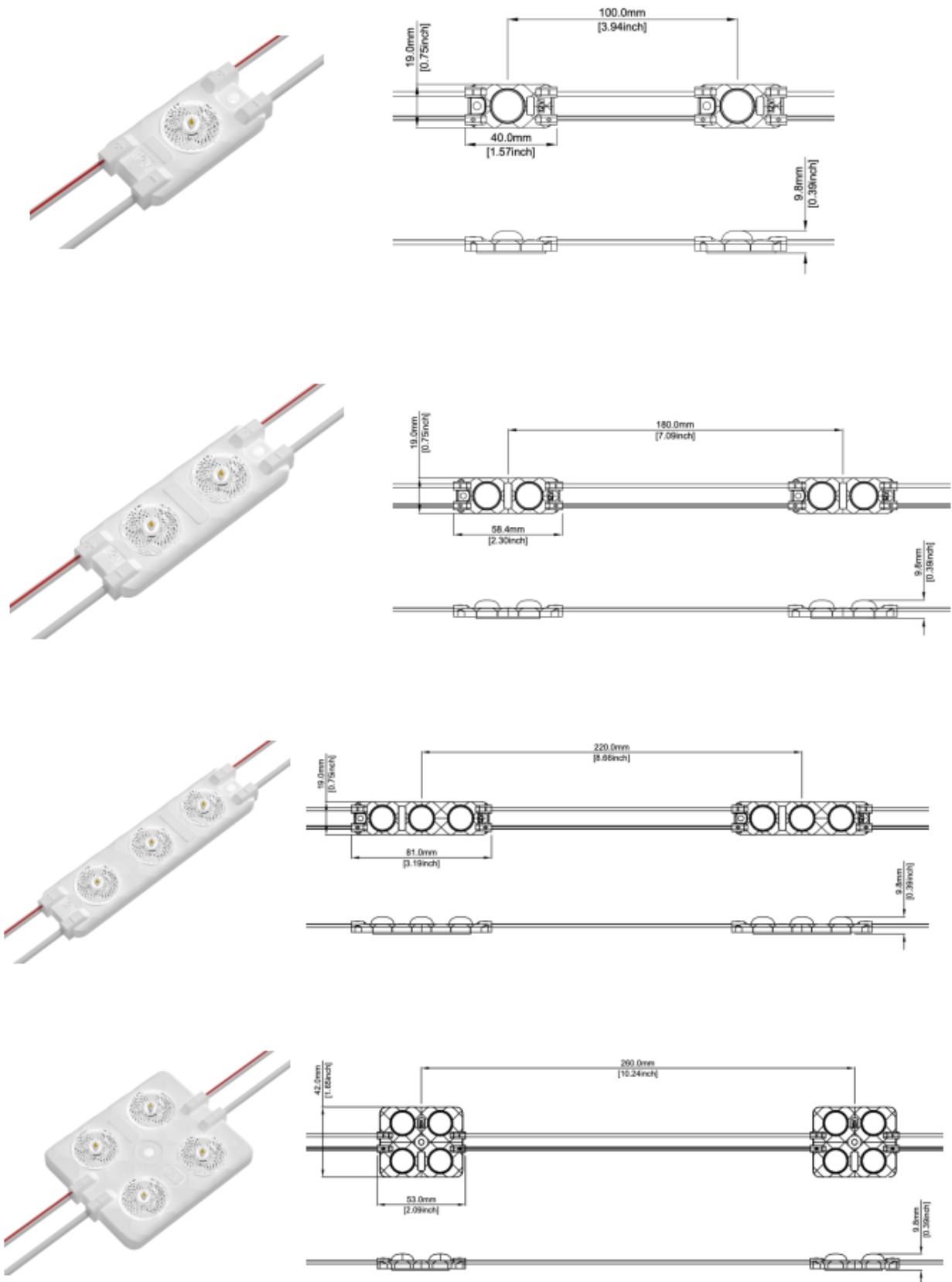
- Signage and illuminated advertising.
- Backlighting of channel letters and light boxes.
- Ideal for installations with depths between 40mm to 250mm.
- Suitable for both indoor and outdoor environments due to IP66 rating.



Specification

Part No.	Dimension	Colour	Style	Voltage	Power	Brightness	Max Module Cascade	IP Rating	Beam Angle	Application Depth
LM-LUNA-C1-12V-65K	40.0 x 19.0 x 9.8mm	6500K (Pure White)	Module (1 LED)	12Vdc	0.36W /module	65lm/ module	50 modules/ chain	IP66	175°	40 - 250mm
LM-LUNA-C2-12V-65K	58.4 x 19.0 x 9.8mm	6500K (Pure White)	Module (2 LED)	12Vdc	0.72W /module	130lm/ module	30 modules/ chain	IP66	175°	40 - 250mm
LM-LUNA-C3-12V-65K	81.0 x 19.0 x 9.8 mm	6500K (Pure White)	Module (3 LED)	12Vdc	1.08W /module	194lm/ module	20 modules/ chain	IP66	175°	40 - 250mm
LM-LUNA-C4-12V-65K	42.0 x 53.0 x 9.8 mm	6500K (Pure White)	Module (4 LED)	12Vdc	1.44W /module	259lm /module	20 modules/ chain	IP66	175°	40 - 250mm
LM-LUNA-C2-24V-65K	58.4 x 19.0 x 9.8mm	6500K (Pure White)	Module (2 LED)	24Vdc	0.72W /module	130lm/ module	70 modules/ chain	IP66	175°	40 - 250mm
LM-LUNA-C3-24V-65K	81.0 x 19.0 x 9.8 mm	6500K (Pure White)	Module (3 LED)	24Vdc	1.08W /module	194lm/ module	60 modules/ chain	IP66	175°	40 - 250mm
LM-LUNA-C4-24V-65K	42.0 x 53.0 x 9.8 mm	6500K (Pure White)	Module (4 LED)	24Vdc	1.44W /module	259lm /module	50 modules/ chain	IP66	175°	40 - 250mm

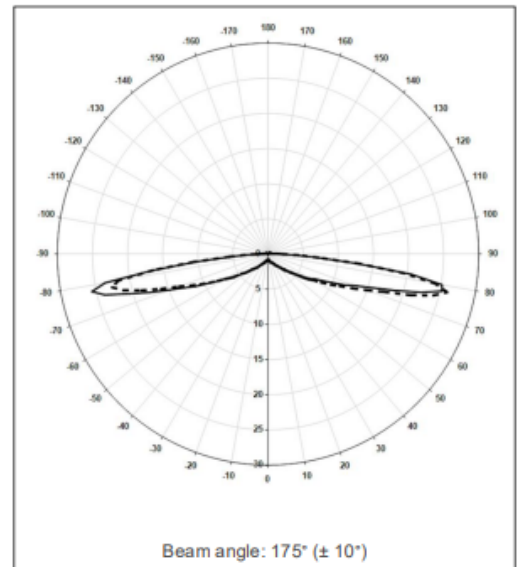
Product Dimensions



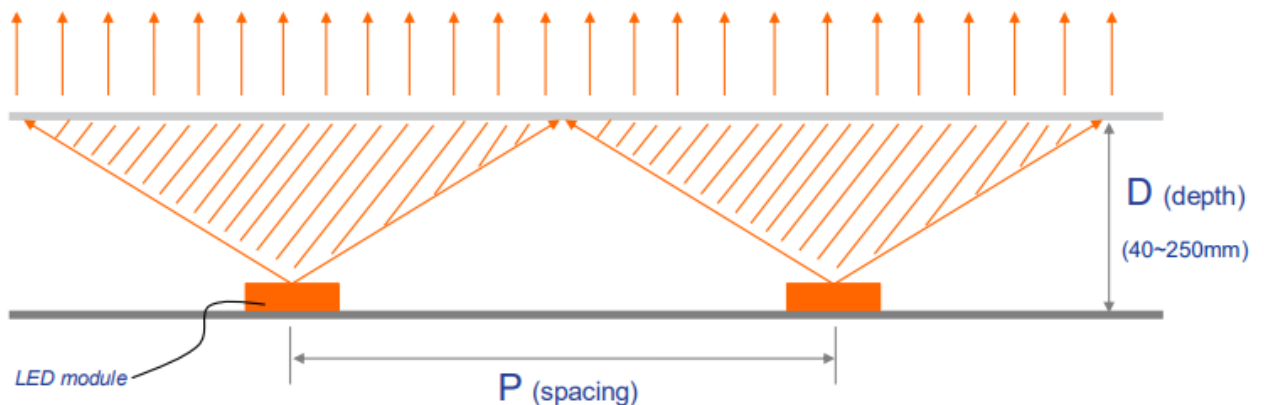
Spectroscopic Data

Operating Environment (t_a)	-25°C to +60°C
Storage Temperature Range (t_s)	-40°C to +85°C
IP Rating	IP66
Lifetime Warranty (L70B50)	5 years
t_c temperature	75°C
Energy Efficacy Class (180 LPW)	C ($\eta_{TM} = 167 \text{lm/W}$)
Dimming mode	PWM dimmable
Cutting Solution	Cut on wire between every module
Certification	UL, CE, BIS
Safety Requirements	IEC/EN 62031, IEC/EN 60598-1, IEC/EN 61347-1

Distribution Graph



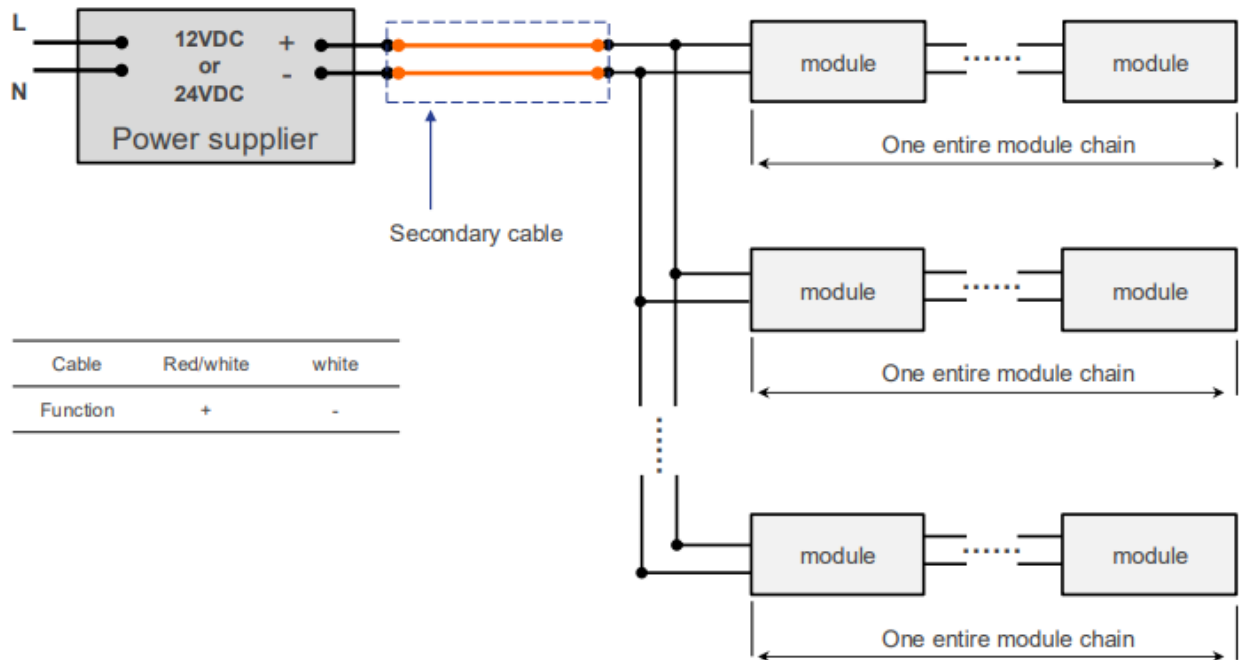
Coverage



$$\text{optical performance proportion} = \frac{D(\text{depth})}{P(\text{spacing})} = 1:3$$

- The proportion of "P" and "D" can show the performance of lens optics design.
- The bigger proportion, the wider light spot.
- The proportion is for reference from lab, actual layout need based on real application.

Wiring Diagram



Additional Information

1. Installation of LED modules (with power supplies) needs to be made under consideration of all valid regulations and norms.
2. Installation by qualified electrician only.
3. Parallel connection is mandatory for safe electrical operation. Serial connection of LED modules is discouraged. Unbalanced voltage drop in serial connection can cause hazardous overload
4. Electrical contact is achieved with the contact cables or the terminals of the module. Please refer to the technical data for maximum number of LED modules that can be operated on one control gear.
5. To avoid mechanical damage, the LED modules must be attached securely to the intended mounting surface. It is recommended to avoid heavy vibration.
6. LED modules are dimmable by means of PWM (pulse width modulation).

Document Revision

Revision	Description	Date	Author	Approver
1.0	Initial release	4 September 2025	Jesse Jankelowitz	Michael Xu